

FIG. 1

ggctcgaggccaggatgcctccagtcctgggggaaaaatgcttcctcatttgcttctcccagcccacctcaagcagtcctccc 80
cacccttgagtcctcagcagtgtaaagctgttactttcacagcttcctgggagcgagtgctttctcaagcccgctcttg 160

aaggctcttcacttcagcacaATGCTACTGCCTAAAAAATGAAGCTCCTGCTGTTTCTGGTTTCCCAGATGGCCATCTT 240
M L L P K K M K L L L F L V S Q M A I L

GGCTCTATTCTTCCACATGTACAGCCACAACATCAGCTCCCTGTCTATGAAGGCACAGCCCGAGCGCATGCACGTGCTGG 320
A L F F H M Y S H N I S S L S M K A Q P E R M H V L V

TTCTGTCTTCTGGCGCTCTGGCTCTTCTTTTGTGGGGCAGCTTTTGGGCAGCACCCAGATGTTTTCTACCTGATGGAG 400
L S S W R S G S S F V G Q L F G Q H P D V F Y L M E

CCCGCTGGCAGGTGTGGATGACCTTCAAGCAGAGCACCGCTGGATGCTGCACATGGCTGTGCGGGATCTGATACGGGC 480
P A W H V W M T F K Q S T A W M L H M A V R D L I R A

CGTCTTCTTGTGCGACATGAGCGTCTTTGATGCCTACATGGAACCTGGTCCCCGGAGACAGTCCAGCCTCTTTCAGTGGG 560
V F L C D M S V F D A Y M E P G P R R Q S S L F Q W E

AGAACAGCCGGGCCCTGTGTTCTGCACCTGCCTGTGACATCATCCCAAGATGAAATCATCCCCGGGCTCACTGCAGG 640
N S R A L C S A P A C D I I P Q D E I I P R A H C R

CTCCTGTGAGTCAACAGCCCTTTGAGGTGGTGGAGAAGGCCTGCCGCTCCTACAGCCACGTGGTGTCTAAGGAGGTGGC 720
L L C S Q Q P F E V V E K A C R S Y S H V V L K E V R

CTTCTTCAACCTGCAGTCCCTCTACCCGCTGTGAAAGACCCCTCCCTCAACCTGCATATCGTGCACCTGGTCCGGGACC 800
F F N L Q S L Y P L L K D P S L N L H I V H L V R D P

CCCGGGCCGTGTTCCGTTCCCGAGAACGCACAAAGGGAGATCTCATGATTGACAGTCCGATTGTGATGGGGCAGCATGAG 880
R A V F R S R E R T K G D L M I D S R I V M G Q H E

CAGAACTCAAGAAGGAGGACCAACCCTACTATGTGATGCAGGTCTGCCAAAGCCAGCTGGAGATCTACAAGACCAT 960
Q K L K K E D Q P Y Y V M Q V I C Q S Q L E I Y K T I

CCAGTCTTGCCCAAGGCCCTGCAGGAACGCTACCTGCTTGTGCGCTATGAGGACCTGGCTCGAGCCCCTGTGGCCCA 1040
Q S L P K A L Q E R Y L L V R Y E D L A R A P V A Q T

CTTCCCGAATGTATGAATTGCGTGGGATTGGAATCTTGGCCCATCTTTCAGACCTGGGTGCATAACATCACCCGAGGCAAG 1120
S R M Y E F V G L E F L P H L Q T W V H N I T R G K

GGCATGGGTGACCACGCTTTCACACAAATGCCAGGGATGCCCTTAATGTCTCCAGGCTTGGCGCTGGTCTTTGCCCTA 1200
G M G D H A F H T N A R D A L N V S Q A W R W S L P Y

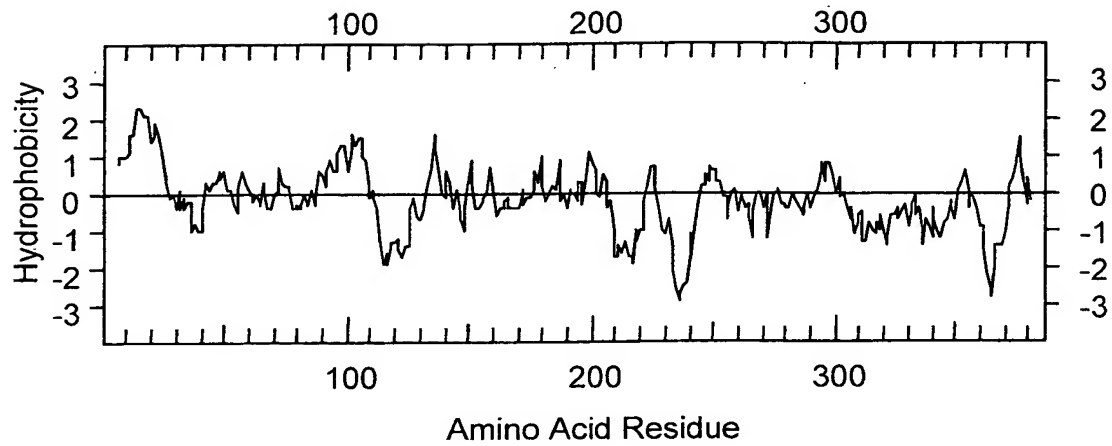
TGAAAAGGTTTCTCGACTTCAGAAAGCCTGTGGCGATGCCATGAATTTGCTGGGCTACCGCCACGTGAGATCTGAACAAG 1280
E K V S R L Q K A C G D A M N L L G Y R H V R S E Q E

AACAGAGAAACCTGTTGCTGGATCTTCTGTCTACCTGGACTGTCCCTGAGCAAATCCACTAAGaggggttgagaaggcttt 1360
Q R N L L L D L L S T W T V P E Q I H *

gctgccacctgggtgtcagcctcagtcactttctctgaatgcttctgagccttgctacatctctgagccttaactacatg 1440
tctgtgggtatcacactgagtggtgagttgtgtccacacgtgctcaagcagaaggacttttgtgtccatgcttgtgtctag 1520
aaaacagactggggaaccttatgtgagcagcacatcccaccagtgaacagggtattgctcttcttcttcttcttcttctt 1600
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tgcatttgaatatcacttcccctctgcattttcccatcacatagaagactttgacctgtgaagctgacctctgttaatac 2000
taaaattcccaataaagaaaaaaaaaaaaaaaaa 2032

FIG. 1

FIG. 2



1000762-11001

FIG. 3

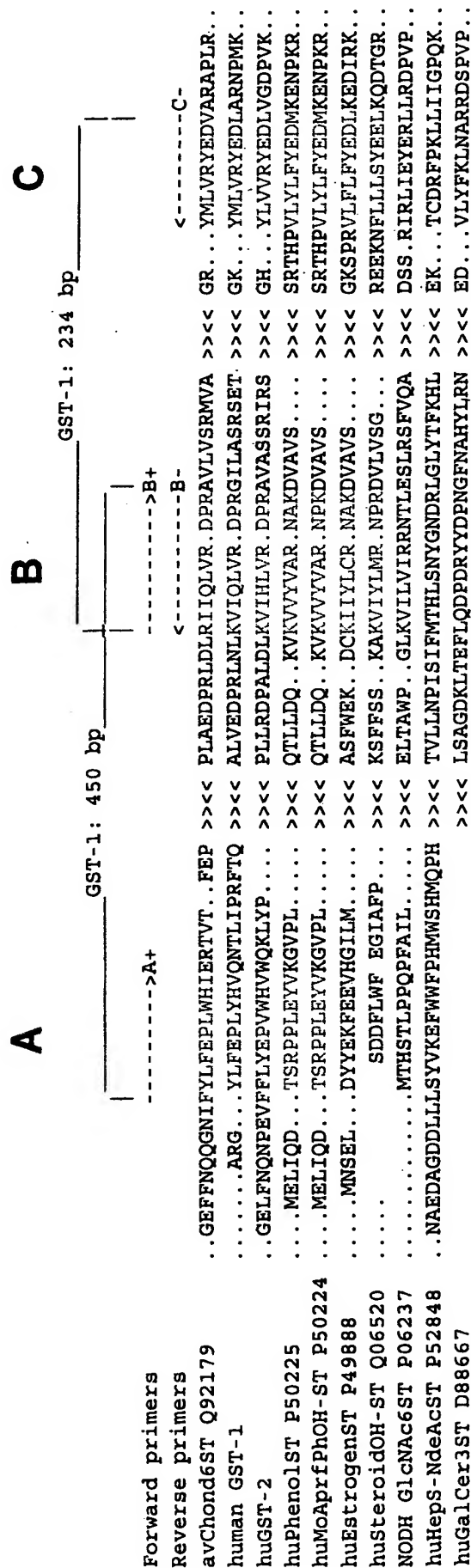
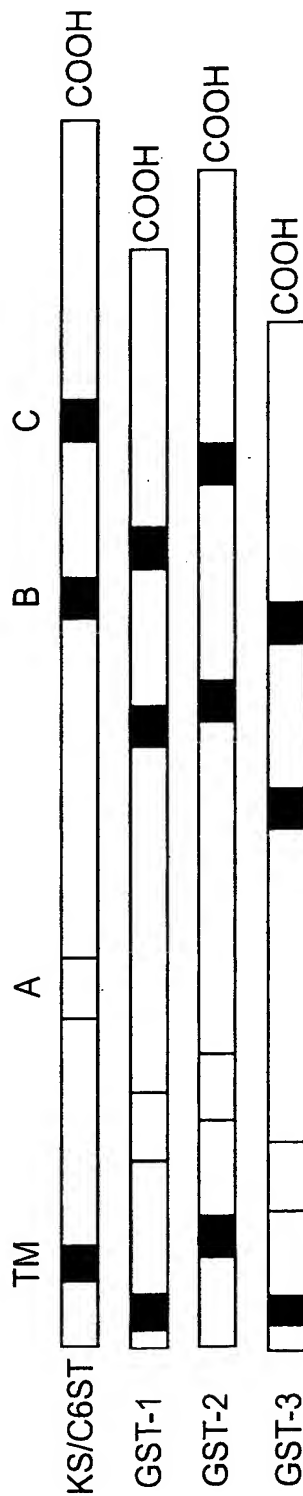


FIG. 3

FIG. 4



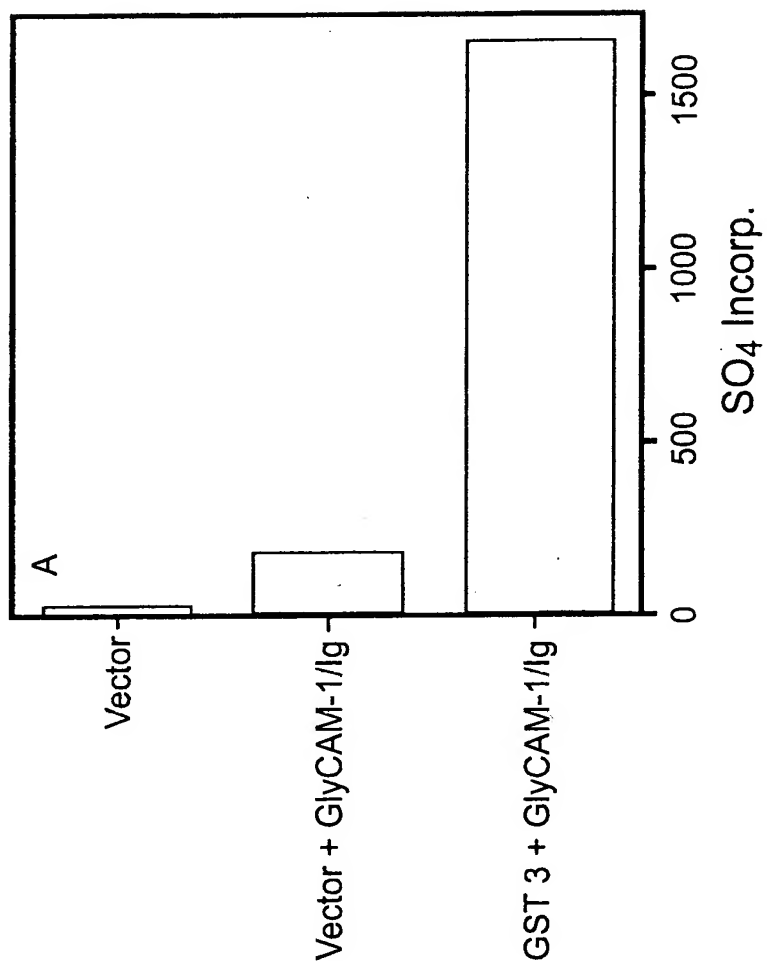
	106	134
HEC-GlcNAc6ST	SWRSGSSFVGLFCQHPD	VEYLMPEPAWHV
GlcNAc6ST	TWRSGSSFGELEFNQNP	VEFELYEPVWHV
KSGal6ST	TTRSGSSFVGLFNQHL	VEYLFEPPLYHV
C6ST	TTRTSGSFVGFENQCGNI	FYLFEPPLWHI

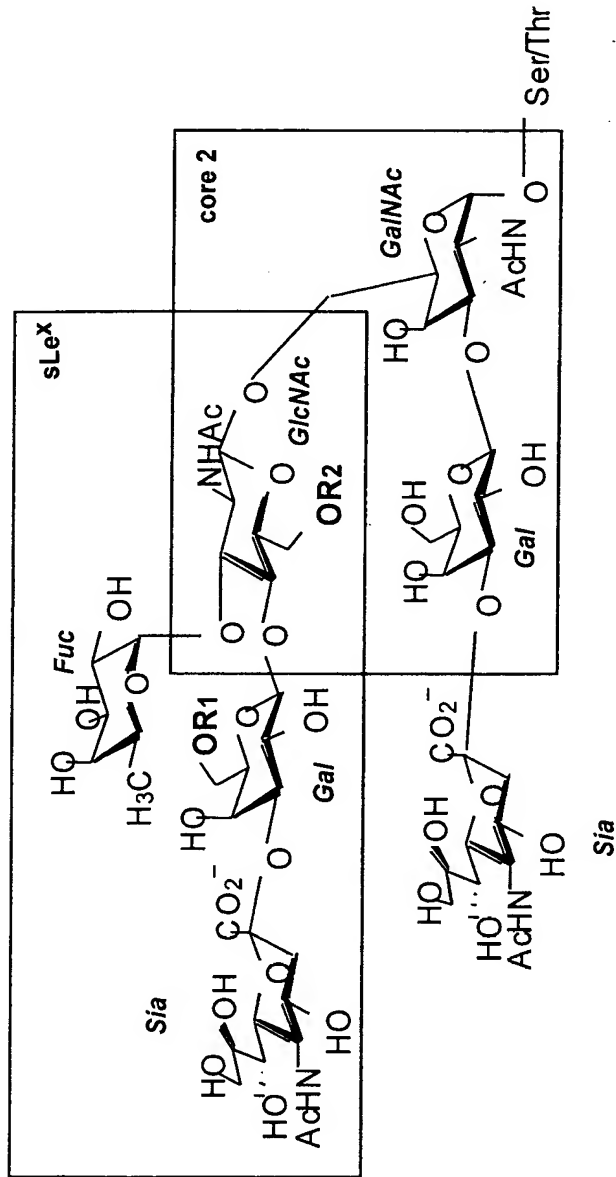
	249	270
HEC-G1cNAC6ST	DPSLNILHIVHLVRDPRAVFRSR	
G1cNAC6ST	DPALDLKVIHLVRDPRAVASR	
KSGal6ST	DPRNLKVLQLVRDPRGIIASR	
C6ST	DPRDLRVIQLVRDPRAVLASR	

HEC-G1cNAC6ST
G1cNAC6ST
KSGa16ST
C6ST

FIG. 5

FIG. 6





R1 = H, R2 = SO₃⁻ : 6-sulfo sLex
 R1 = SO₃⁻, R2 = H : 6'-sulfo sLex
 R1 = R2 = SO₃⁻ : 6',6-disulfo sLex

FIG. 7

FIG. 8

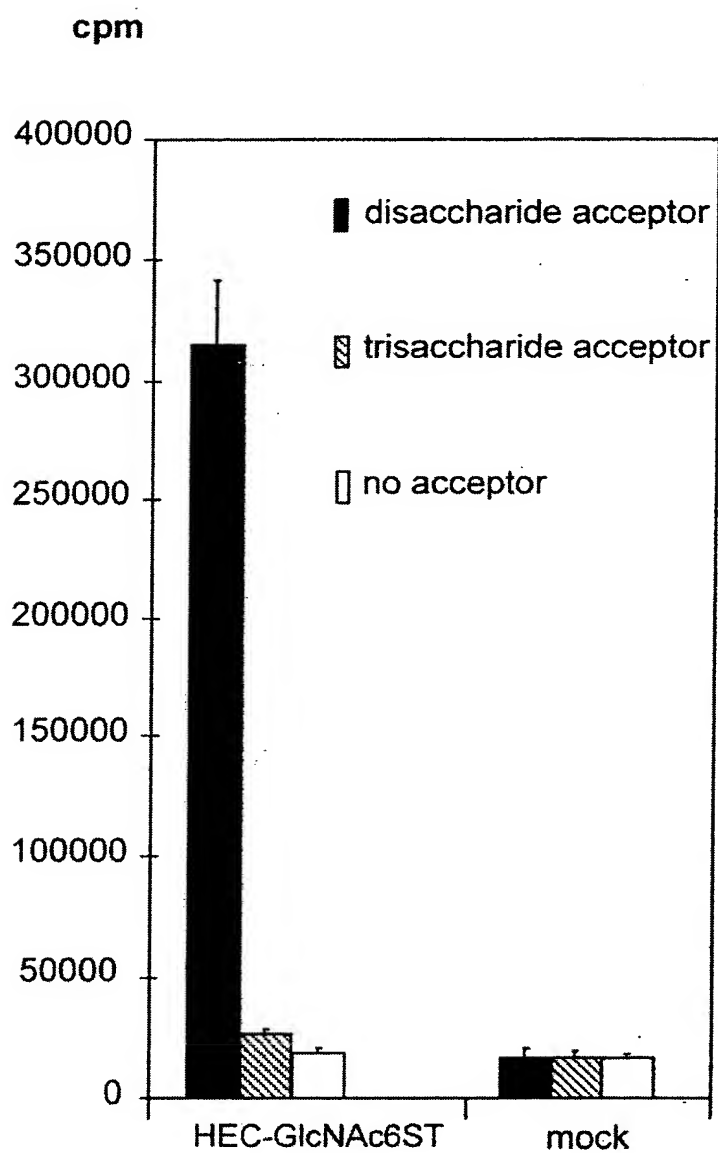


FIG. 8

FIG. 9

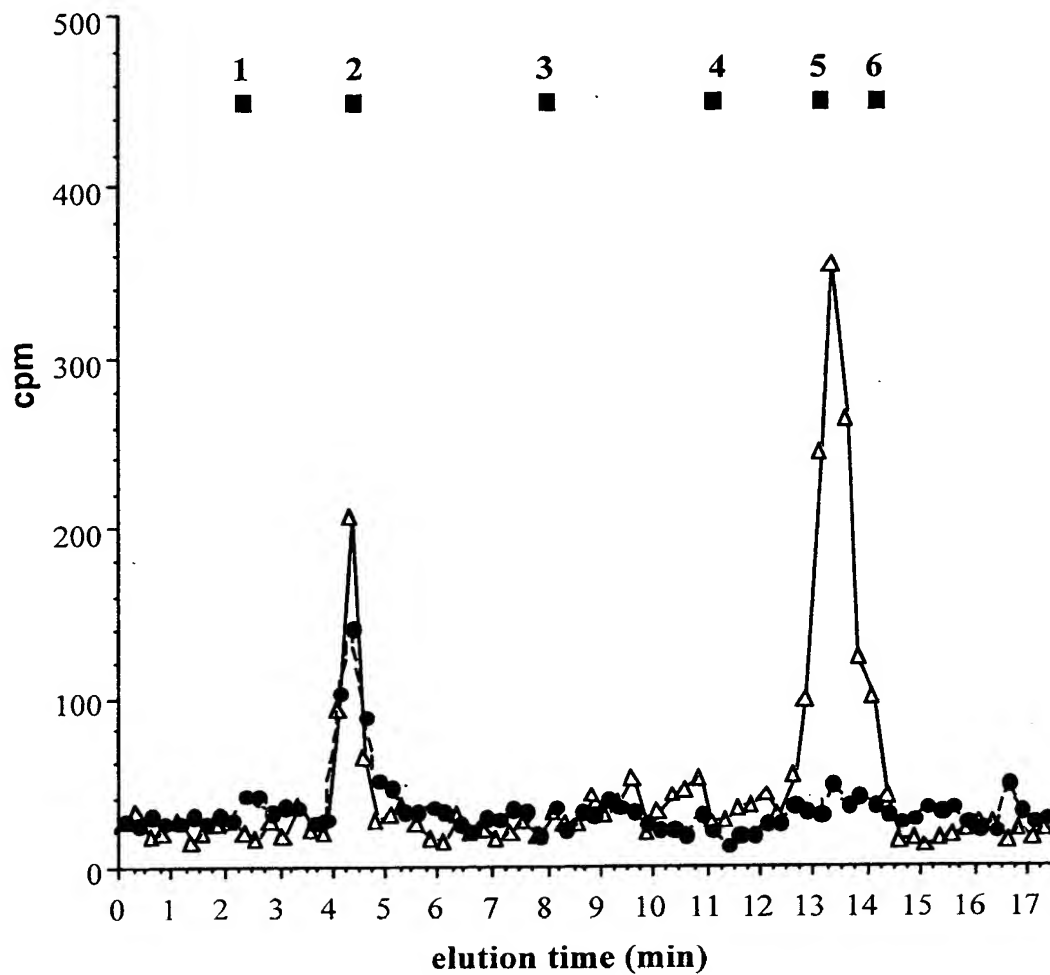


FIG. 10

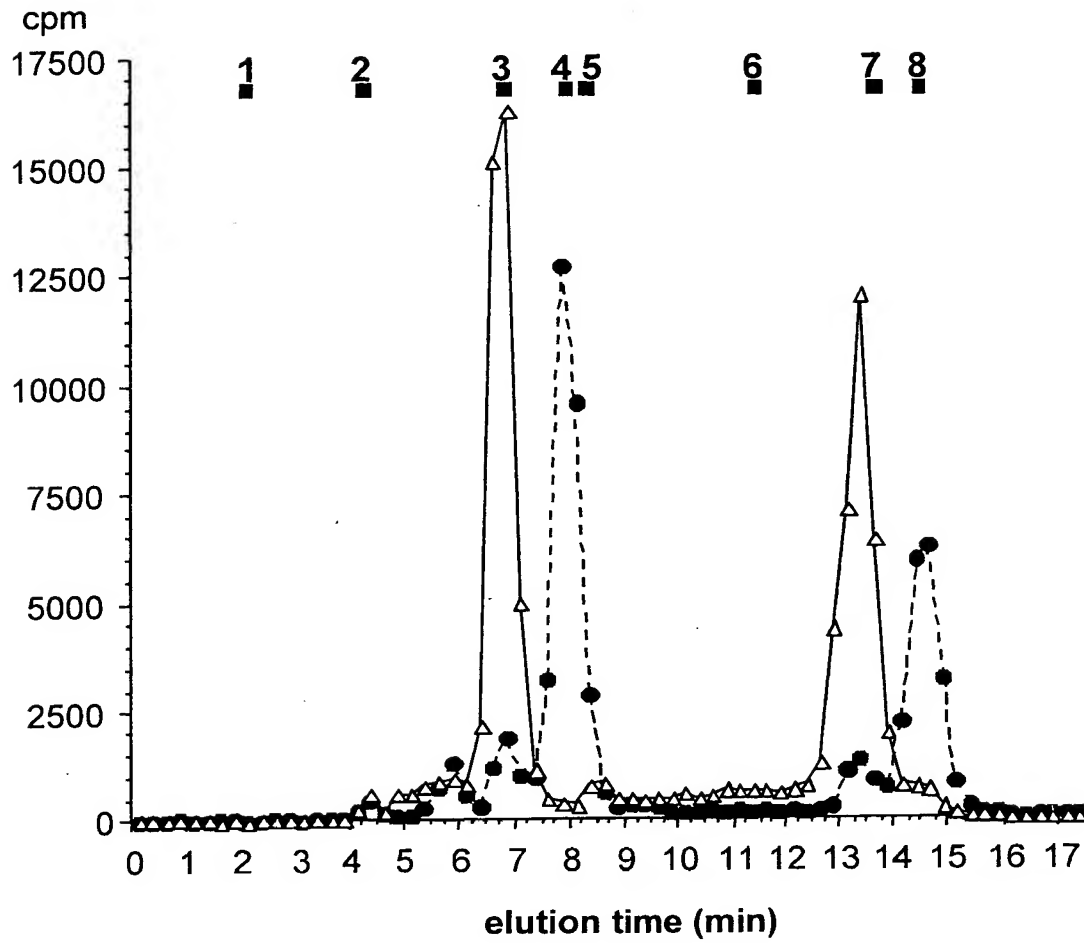


FIG. 11A

FIG. 11A

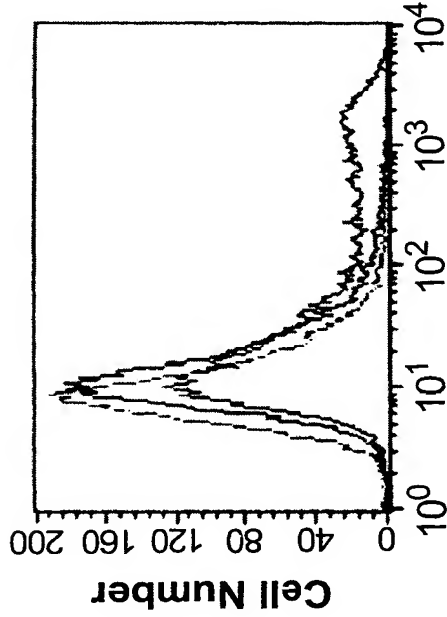


FIG. 11B

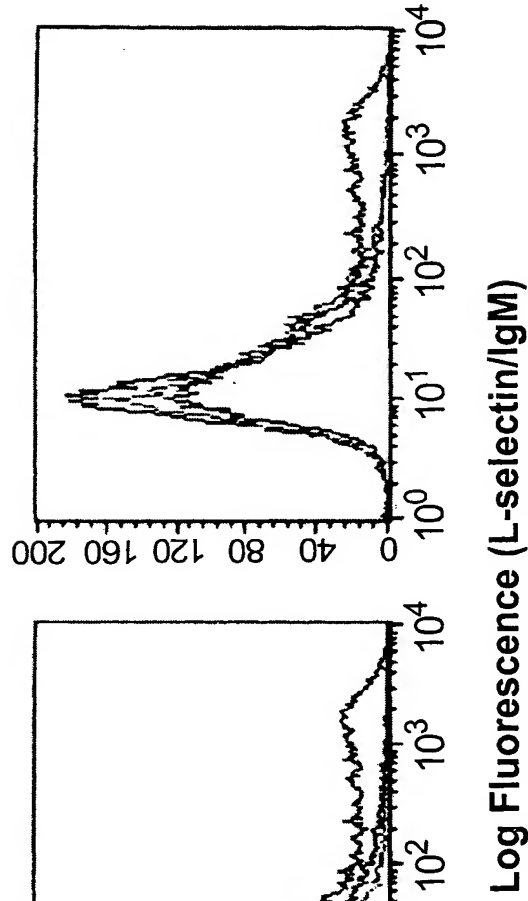
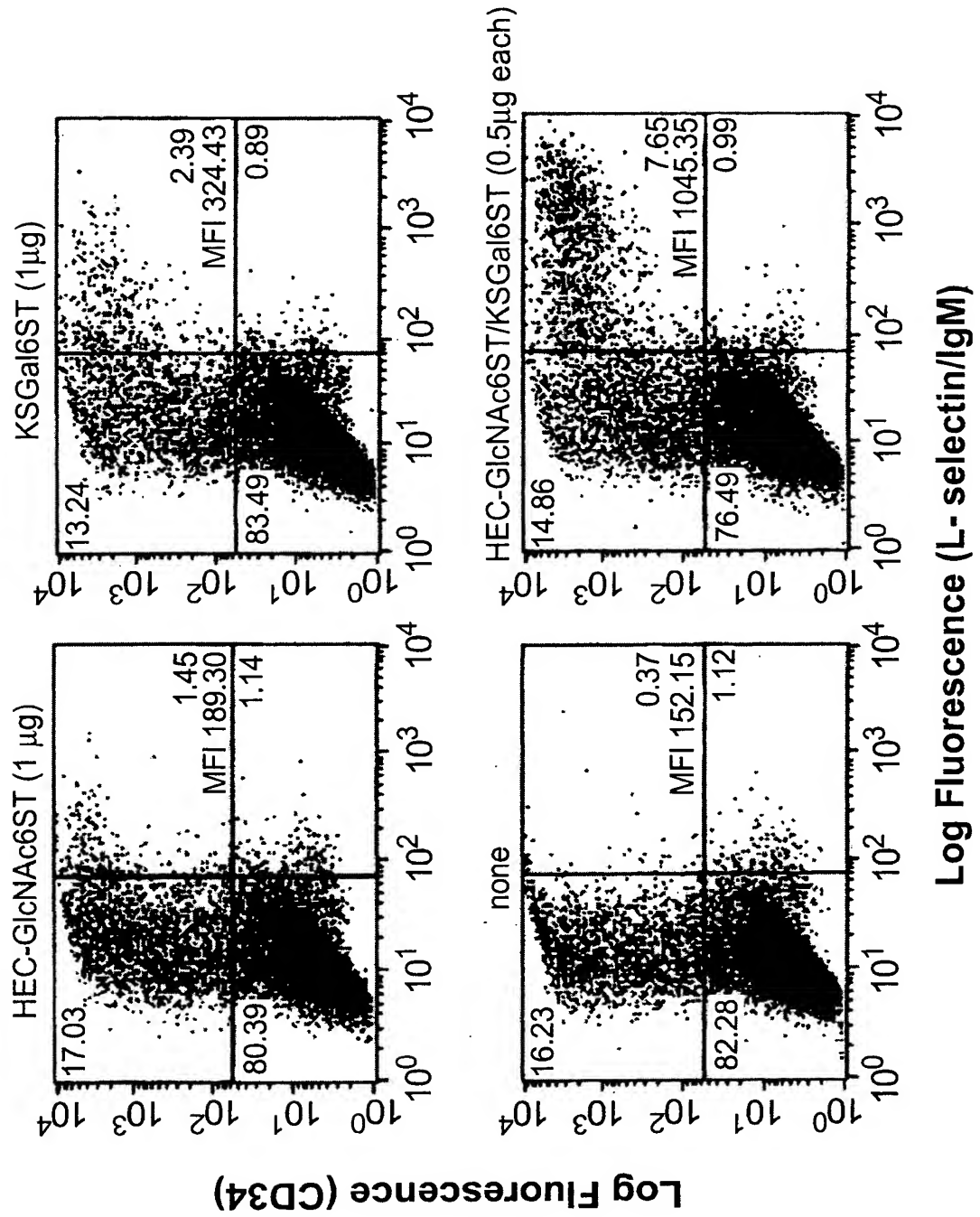


FIG. 11C

FIG. 11C



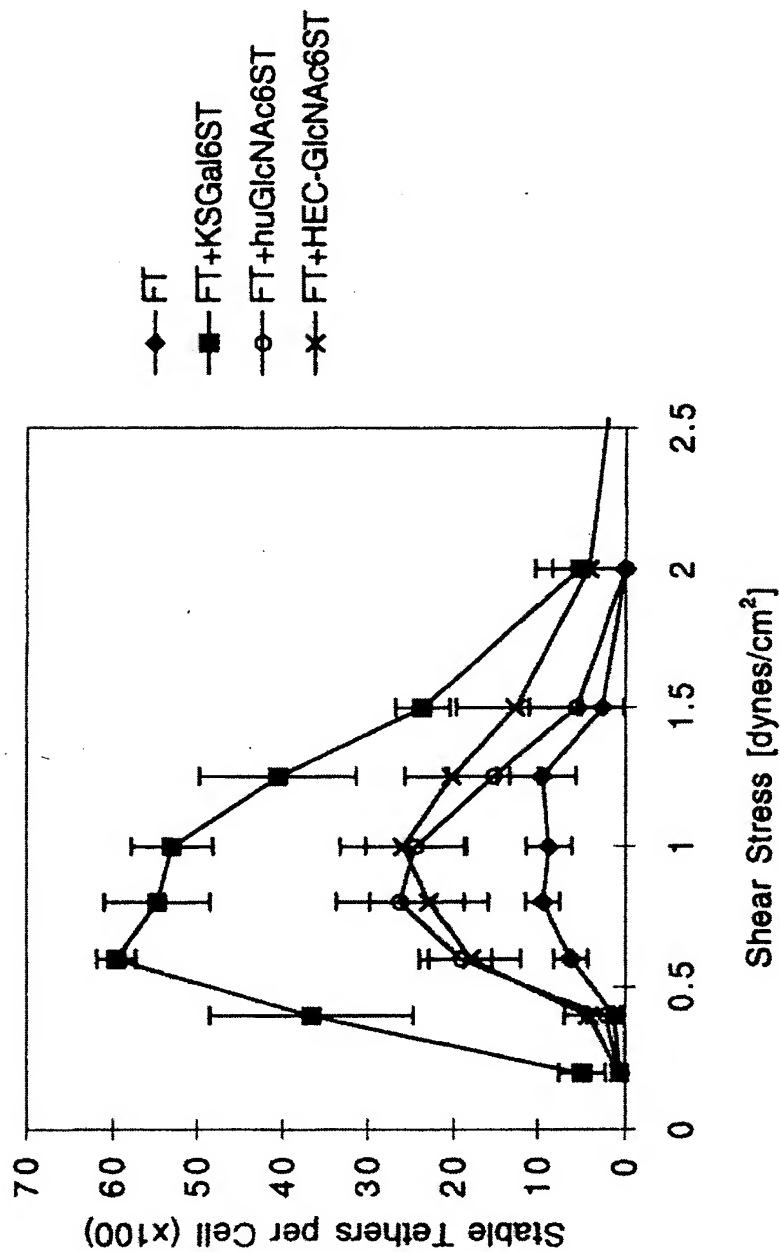


FIG. 12

FIG. 13

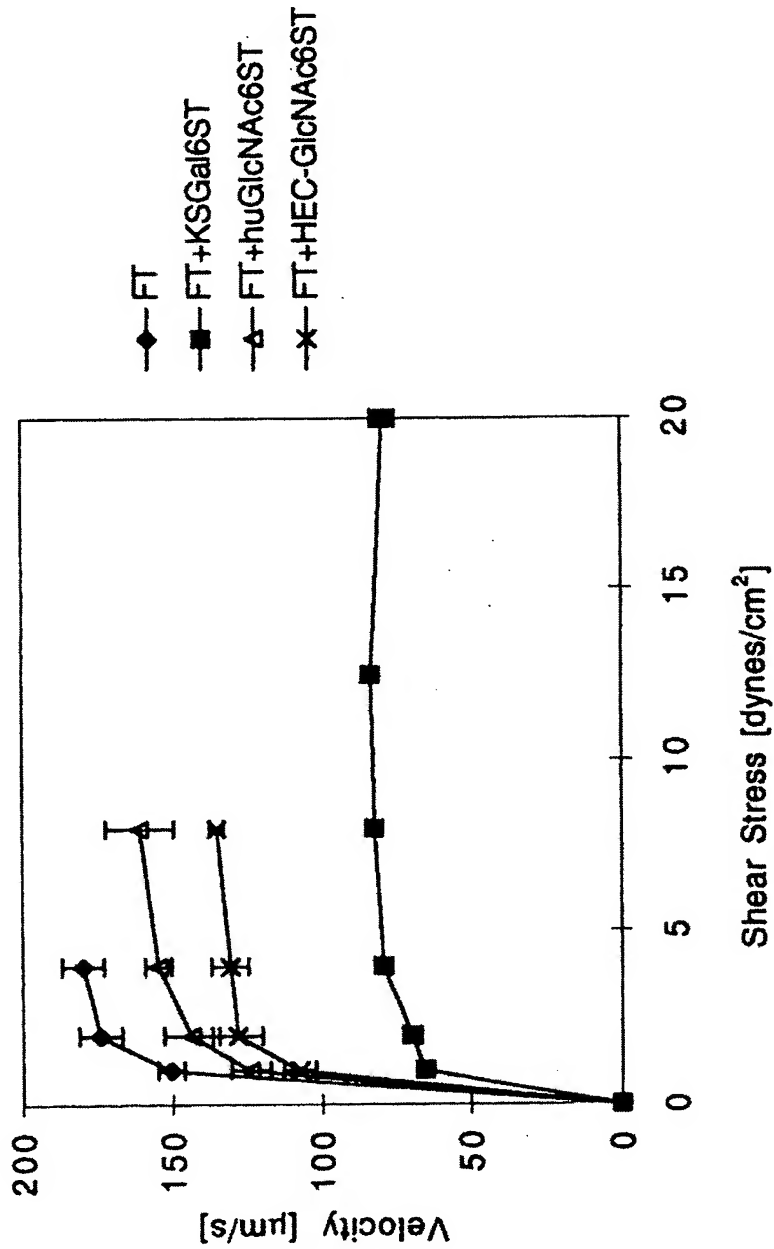


FIG. 13

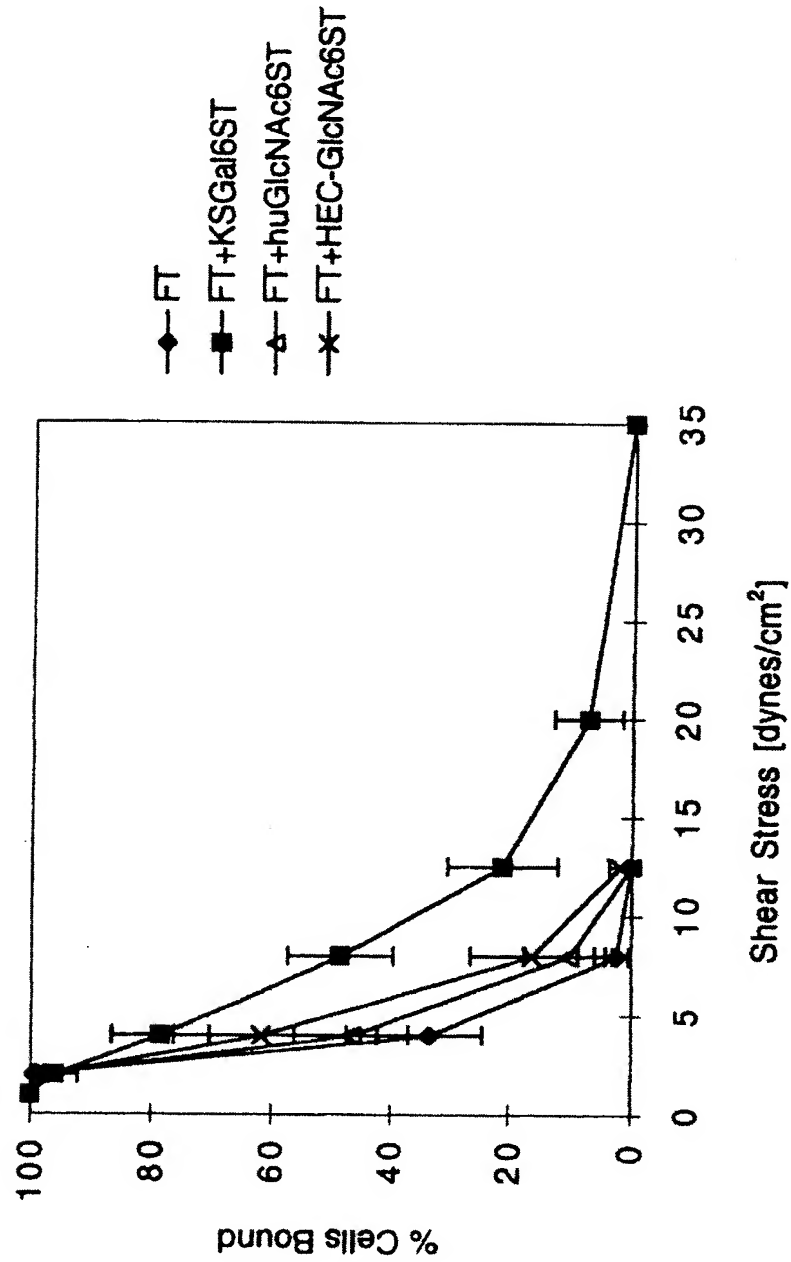


FIG. 14